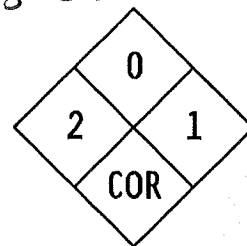


AMCHEM PRODUCTS, INC.  
DIVISION OF HENKEL CORPORATION  
300 BROOKSIDE AVENUE  
AMBLER, PA 19002



Dec 3-8-87  
DPM 5089



# MATERIAL SAFETY DATA SHEET

DOUGLAS AIRCRAFT COMPANY  
ATTN.: REBECCA LALLY  
3855 LAKEWOOD BOULEVARD  
LONG BEACH, CA 90846

CUSTOMER # \*\*\*\*\*

PRODUCT TRADE NAME	ALODINE 1500		
DOT PROPER SHIPPING NAME	Rust Preventing Compounds		
DOT HAZARD CLASSIFICATION	Corrosive		
TECHNICAL CONTACT (NAME)	Charles Gruszka		
TELEPHONE NUMBER	(215) 628-1364	EMERGENCY NUMBER	(215) 628-1000

## 1 HAZARDOUS INGREDIENTS

MATERIAL	CAS NO.	CONTENTS (% WT/WT)	HAZARD	TLV
Chromic Acid	7738-94-5	3-5	Carcinogen, NTP; Corrosive	0.05 mg/M <sup>3</sup>
Ammonium Fluozirconate	1619-31-6	2-4	Irritant	N/A
Fluozirconic Acid	12021-95-3	1-3	Corrosive	N/A

## 2 PHYSICAL DATA

APPEARANCE	Yellow orange liquid		
SOLUBILITY IN WATER	Complete		
ODOR, @ 60 °F.	None	pH of CONCENTRATE	N/A
SPECIFIC GRAVITY @ 60 °F.	1.04-1.08	BOILING POINT, °F.	>212
OTHER:	N/A		

### 3 FIRE & EXPLOSION DATA

FLASH POINT None

TEST METHOD N/A

EXTINGUISHING MEDIA Water

UNUSUAL FIRE OR EXPLOSION HAZARDS

Do not allow to come into contact with organic materials such as sawdust, rags, etc. Spontaneous combustion may result if material dries on such organic materials.

SPECIAL FIRE FIGHTING PROCEDURES

None

### 4 REACTIVITY DATA

STABLE ☒

UNSTABLE ☐

CONDITIONS TO AVOID

INCOMPATIBLE MATERIALS

Organic materials

HAZARDOUS POLYMERIZATION

WILL OCCUR ☐

WILL NOT OCCUR ☒

CONDITIONS TO AVOID

HAZARDOUS DECOMPOSITION PRODUCTS

None

### 5 HEALTH HAZARD DATA

Skin: Will burn.

Eyes: Will burn.

Ingestion: Will burn mucous membranes.

### 6 FIRST AID RECOMMENDATIONS

Skin: Wash with soap and water and rinse thoroughly. Anyone who appears to suffer skin burns from this product should be seen by a doctor.

Eyes: Flush immediately with copious amounts of water for at least 15 minutes. Call a doctor.

Ingestion: Drink milk of magnesia, aluminum hydroxide gel, or limewater, followed by several glasses of water. Call a doctor. Do not induce vomiting unless directed by a doctor.

## 7 SPILL PROCEDURES & WASTE DISPOSAL

### SPILL PROCEDURES

Transfer any excess to a clean polyethylene container. Treat remaining residue with a dilute solution of sodium metabisulfite to reduce chrome. Neutralize with lime to pH 7-8.

### WASTE TREATMENT

Flush reduced and neutralized material to treatment plant with plenty of water and with approval of regulatory agency.

## 8 PERSONAL PROTECTION

### VENTILATION REQUIREMENTS

GENERAL AREA EXHAUST

☐

LOCAL EXHAUST

☒

NO EXHAUST NECESSARY

☐

### PERSONAL PROTECTIVE EQUIPMENT

EYE PROTECTION

Safety goggles

SKIN PROTECTION

Rubber gloves and rubber apron

RESPIRATORY PROTECTION

None

OTHER REQUIRED EQUIPMENT

None

## 9 SPECIAL PRECAUTIONS & STORAGE

Store in cool place away from organic materials.

PREPARED BY Charles Gruszka

DATE 10/23/86

TITLE Senior Chemist